

**REMARKS**

This is intended as a full and complete response to the Office Action dated November 5, 2003, having a shortened statutory period for response set to expire on February 5, 2004. Please reconsider the claims pending in the application for reasons discussed below.

**Claim Rejections - 35 USC § 103**

Claims 1-6, 9-22, 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Blainey* USPN 6,045,585 in view of *Archambault* USPN 6,173,444 B1. Claims 7, 8, 23 and 24 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over *Blainey* (US 6,045,585) in view of *Archambault* (US 6,077,311).

Regarding claim 1, the Examiner states that *Blainey* discloses a method for performing alias refinement as claimed except that *Blainey* doesn't explicitly disclose replacing, if a particular use of the address is for an indirect reference to the variable, the indirect reference in the intermediate representation with a direct reference to the variable. The Examiner states, however, that *Archambault* does disclose this feature, citing column 6, lines 15-20 (6:15-20) and 5:40-45. Applicants respectfully submit, however, that these cited sections describe only modifying an alias set, but not modifying the actual intermediate reference (replacing an indirect reference with a direct reference), as claimed. Accordingly, Applicants submit that Claim 1 is patentable over *Blainey* in view of *Archambault* and respectfully request removal of this rejection with respect to this claim and claims 2-10 that depend therefrom.

Claims 11, 12, and 17 also each contain limitations directed toward modifying the intermediate reference. Specifically, claim 11 recites replacing in the intermediate reference a parameter with a direct reference to a variable, while claims 12 and 17 recite replacing an indirect reference in the intermediate representation with a direct reference to a variable. Accordingly, Applicants submit that claims 11, 12, and 17 are also patentable over *Blainey* in view of *Archambault* and respectfully request removal of

this rejection with respect to these claims and claims 13-16 and 18-26 that depend therefrom.

### CONCLUSION

In conclusion, the references cited by the Examiner, alone or in combination, do not teach, show, or suggest the invention as claimed.

Having addressed all issues set out in the office action, Applicants respectfully submit that the claims are in condition for allowance and respectfully request that the claims be allowed.

Respectfully submitted,



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